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PTO/SB/01 (10-00)

Approved for use through 10/31/2002, OMB 0651-0032

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: Customer Number _____ OR Correspondence address below

Name Auzville Jackson, Jr.

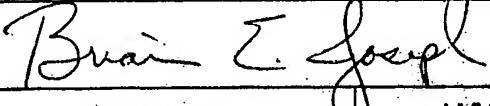
Address 8652 Rio Grande Rd.

Address

City Richmond	State VA	ZIP 23229
Country US	Telephone 804/740-6828	Fax 804/740-1881

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR : A petition has been filed for this unsigned inventor

Given Name Brian E. (first and middle [if any])	Family Name Joseph
Inventor's Signature 	Date 8/13/01

Residence: City Wheeling	State WV	Country US	Citizenship US
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Mailing Address 18 Lynwood Avenue

Mailing Address

City Wheeling	State WV	ZIP 26003	Country US
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NAME OF SECOND INVENTOR: A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Family Name or Surname
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Inventor's Signature	Date
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Residence: City	State	Country	Citizenship
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Mailing Address

City	State	ZIP	Country
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Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Please type a plus sign (+) Inside this box → +

PTO/SB/81 (10-00)

Approved for use through 10/31/2002. OMB 0651-0035.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number:	
Filing Date:	
First Named Inventor:	JOSEPH
Group Art Unit:	
Examiner Name:	
Attorney Docket Number:	1527(Touchstone)

I hereby appoint:

Practitioners at Customer Number

OR

Practitioner(s) named below:

Place Customer
Number Bar Code
Label here

Name	Registration Number
Auzville Jackson, Jr.	17,306

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Auzville Jackson, Jr.			
Address	8652 Rio Grande Rd.			
Address				
City	Richmond	State	VA	Zip 23229
Country	US			
Telephone	804/740-6828	Fax	804/740-1881	

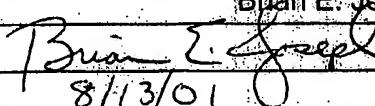
I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Brian E. Joseph
Signature	
Date	8/13/01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

Total of 1 forms are submitted.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Brian E. Joseph.

Art Unit: 1725

Application No.: 09/944,273

Examiner: Unassigned

Filed: August 31, 2001

Atty. Docket: 07620006AA

For: **THERMAL PROTECTION SYSTEM**

Assistant Commissioner for Patents
Washington, D.C. 20231

**COMBINED STATEMENT UNDER 37 C.F.R. § 3.73(b), POWER OF ATTORNEY BY
ASSIGNEE, AND CHANGE OF CORRESPONDENCE ADDRESS**

Sir:

Attached hereto is a Request for Change of Power of Attorney by Assignee, and Change of Correspondence Address for the above-identified application.

Please charge any deficiencies and credit any overpayment to our Deposit Account No. 23-1951.

Respectfully submitted,



Philip D. Lane
Reg. No. 41,140

Date: September 24, 2002

MC GUIRE WOODS LLP
1750 Tysons Boulevard
Suite 1800
McLean, VA 22102-4215
(703) 712-5069

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
Washington, D.C. 20231

**COMBINED STATEMENT UNDER 37 C.F.R. § 3.73(b), POWER OF ATTORNEY BY
ASSIGNEE, AND CHANGE OF CORRESPONDENCE ADDRESS**

Touchstone Research Laboratory, Ltd., a corporation, states that it is the assignee of the entire right, title, and interest in the following patent applications by virtue of assignments from their respective inventor(s). The assignments have been recorded in the United States Patent and Trademark Office at the Reel and Frame numbers indicated below.

McGuireWoods Docket No.	Serial Number	Filing Date	Title	Reel/Frame No.
07620003AA	09/453,729	12/02/1999	Cellular Coal Products and Processes	See attached Assignment
07620003PA1	09/902,828	07/10/2001	Cellular Coal Products and Processes	See attached Assignment
07620003PA2	10/046,436	01/14/02	Cellular Coal Products and Processes	See attached Assignment
07620004AA	09/733,602	12/08/2000	Designed Cellular Coal	See attached Assignment
07620004PA	09/905,344	07/14/2001	Reinforced Designed Cellular Coal	See attached Assignment
07620005AA	09/888,977	06/25/2001	Electrochemical Cell Electrodes	See attached Assignment
07620006AA	09/944,273	08/31/2001	Thermal Protection System	See attached Assignment
07620007AA	09/976,172	10/12/2001	Activated, Coal-Based Carbon Foam	See attached Assignment
07620008AA	09/976,175	10/12/2001	Petroleum Pitch-Based Carbon Foam	See attached Assignment
07620009AA	09/976,425	10/12/2001	Carbon Foam Abrasives	See attached Assignment

07620009PA	10/068,074	02/05/2002	Carbon Foam Abrasives	See attached Assignment
07620010AA	09/976,426	10/12/2001	Stealth Foam and Production Method	See attached Assignment
07620011AA	09/941,342	08/29/2001	Composite Tooling	See attached Assignment
07620012AA	09/954,490	09/17/2001	Coal-Based Carbon Foam	See attached Assignment
07620013AA	10/068,075	02/05/2002	Blended Pitch/Coal Based Carbon Foams	See attached Assignment
07620014AA	10/072,661	02/06/2002	Microwave Assisted Treatment of Carbon Foam	See attached Assignment

The assignee of the above-identified patent applications revokes all previous power of attorneys and hereby appoints:

Philip D. Lane, Reg. No. 41,140	Hae-Chan Park, Reg. No. 50,114
Paul E. McGowan, Reg. No. 46,917	Andrew M. Calderon, Reg. No. 38,093
Scott A. Felder, Reg. No. 47,558	Mark J. Young, Reg. No. 39,436
Luke Anderson, Reg. No. 44,507	

as attorneys to prosecute these applications and transact all business in the Patent and Trademark Office connected therewith.

The undersigned hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Address correspondence to:

McGuireWoods LLP
1750 Tysons Boulevard
Suite 1800
McLean, VA 22102

Direct Telephone Calls to Philip D. Lane, Ph.D. at 703-712-5069.

On behalf of Touchstone Research Laboratory, Ltd.:

FOR: TOUCHSTONE RESEARCH LABORATORY, LTD.

SIGNATURE: Elijah M. Kraftian

BY: ELIZABETH N. KRAFTIAN

TITLE: C.I.E.O.

DATE: 9/11/02

\COR\129445.1

Docket 1527(Touchstone)
(Worldwide Rights)

ASSIGNMENT

FULL NAME AND
POST OFFICE ADDRESS
(including country)
OF INVENTOR

TITLE OF INVENTION

FULL NAME AND ADDRESS
(including country) OF
ASSIGNEE (if a corporation,
so state and identify state/
country or corporation)

WHEREAS:

Brian E. Joseph
18 Lynwood Avenue
Wheeling, West Virginia 26003
US

(hereinafter referred to as ASSIGNEE) has invented certain new and useful improvements in an invention entitled:

Thermal Protection System

for which an application for United States Letters Patent is being executed and filed concurrently herewith;

WHEREAS:

Touchstone Research Laboratory, Ltd.
R.D. #1, Box 100B
The Millennium Centre
Triadelphia, West Virginia 26059
US

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:
Be it known that in consideration of the payment by ASSIGNEE to said ASSIGNEE of the sum of One Hundred Dollars (\$100.00), the receipt and sufficiency of which is hereby acknowledged, ASSIGNEE hereby sells, assigns and transfers to ASSIGNEE, its lawful successors and assigns, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted; and authorizes and requests the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNEE covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR, and will testify as to the same in any interference or litigation related thereto representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention, and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I have hereunto set hand and signed on the date indicated below:

SIGNATURE

(The signature must correspond with the name of the inventor above)

INVENTOR AND ASSIGNOR

Brian E Joseph
(Brian E. Joseph)

DATE SIGNED

8/13/01

WITNESS

John D. Rose